

Serial No.: 09/873,299

IN THE CLAIMS:

1. (Currently Amended) A laser processing apparatus comprising:

a laser generator for generating a laser light,
a laser controller for controlling said laser generator,
a positioning unit for positioning the laser light, and
a position controller for selecting a control method from a plurality of control methods, each corresponding to a predetermined moving distance of said positioning unit, and for controlling a position of said positioning unit according to said selected control method.

2. (Currently Amended) The laser processing apparatus of claim 1, further comprising a control method memory for storing a control method corresponding to the moving distance of said positioning unit, wherein said position controller ~~controls~~ is for controlling the position of said positioning unit by the control method.

Serial No.: 09/873,299

3. (Original) The laser processing apparatus of claim 2, wherein said control method memory stores a step position command control method for the moving distance less than a first threshold.

4. (Previously Presented) The laser processing apparatus of claim 2, wherein said control method memory stores a step speed command control method for the moving distance not less than a second threshold and less than a third threshold.

5. (Previously Presented) The laser processing apparatus of claim 2, wherein said control method memory stores a trapezoidal speed command control method for the moving distance not less than a fourth threshold or more.

Serial No.: 09/873,299

6. (Previously Presented) The laser processing apparatus of claim 1, further comprising an acceleration/deceleration constant memory for storing an acceleration/deceleration constant corresponding to the moving distance, wherein said position controller controls the position of said positioning unit by using the acceleration/deceleration constant.

7. (Previously Presented) The laser processing apparatus of claim 1, further comprising an acceleration/deceleration constant calculating unit for calculating an acceleration/deceleration constant corresponding to the moving distance from the moving distance, wherein said position controller controls the position of said positioning unit by using the acceleration/deceleration constant.

Serial No.: 09/873,299

8. (Original) The laser processing apparatus of claim 1, further comprising a waiting-for-settling time memory for storing a waiting time for settling corresponding to the moving distance, wherein said positioning unit controls the position with using the waiting time for settling.

9. (Previously Presented) The laser processing apparatus of claim 1, further comprising a waiting-for-settling time calculating unit for calculating a waiting time for settling corresponding to the moving distance from the moving distance, wherein said positioning unit controls the position by using the waiting time for settling.